1	BOARD OF WATER SUPPLY
2	COUNTY OF MAUI
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10	REGULAR MEETING
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16	Held at the Department of Liquor Control Conference
17	Room, 2145 Kaohu Street, Room 105, Wailuku, Maui,
18	Hawaii, commencing at 9:05 a.m.
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28	Transcribed from audio recording by Gaye Hayashida,
29	Commission Support Clerk, Department of Water
30	Supply, County of Maui

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                   APPEARANCES
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    BOARD MEMBERS:
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        Lee Aldridge, Chair
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        Carl Holmberg, Vice Chair
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        Marion Haller
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       Michael Howden
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       Kui Lester
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       Scott Luck
13
        Kelli Myers
        Phyllis Robinson
14
15
16
17
    STAFF PRESENT:
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19
        Eric Yamashige, Deputy Director
20
        Edward S. Kushi, Deputy Corporation Counsel
        Gaye Hayashida, Commission Support Clerk
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- 1 CHAIR ALDRIDGE: Good morning.
- 2 MEMBER HALLER: Good morning.
- 3 CHAIR ALDRIDGE: Oh, it is on. This is um, Board
- 4 of Water Supply regular meeting, Thursday, June 26,
- 5 2008. Um, call to order ah, members present
- 6 include ah, Phyllis Robinson, Kelli Myers, Marion
- 7 Haller, Michael Howden, myself, Carl Holmberg, Kui
- 8 Lester, and Scott Luck. Ah, absent is Ted
- 9 Yamamura, is that correct? Thank you, Gaye. And
- 10 ah, Board ah, I'm sorry, ah Department members
- 11 present include Eric Yamashige ah, Deputy Director,
- 12 and ah, representing ah, Corporation Counsel, Ed
- 13 Kushi. Ah, and we have some members in the
- 14 audience uh, that I recognize but I don't know
- 15 their names. And in any event, um, let's see,
- 16 Announcements. Oh I just wanted to announce that
- 17 ah, based on ah, discussions at the last board
- 18 meeting, ah I asked um, the commission clerk, Gaye,
- 19 to pass out to, to all of the board members a ah,
- 20 copy of the list, spreadsheet that she had put
- 21 together of the um, contested case hearings, both
- 22 the ones that we have completed to date ah, and
- 23 those that remain before us. Ah, and ah, just to
- 24 inform you ah, I took the initiative to meet with
- 25 Corporation Counsel to review these and ah will, my
- 26 intent is to bring an agenda item back to the board
- 27 at a future meeting to consider um, the ah, the

- 1 review of these or pre ah, pre-hearing review ah,
- 2 and I will volunteer as that pre-hearing officer if
- 3 you wish. Or I will actually accept any ah,
- 4 volunteers that might wish to do so, besides
- 5 myself. But that will be brought to at a separate
- 6 meeting so that we can take action on it. I think
- 7 that is um, it for Announcements. Ah, Approval of
- 8 Minutes. Are there any comments on the minutes of
- 9 May of 22^{nd} , 2008? I have one correction, page 13.
- 10 (laughter)
- 11 MEMBER HALLER: How do you find just one?
- 12 CHAIR ALDRIDGE: This one's a great one. This is
- 13 second to the last paragraph, the bottom of the
- 14 page, um, one, two, three, third line down, I said
- 15 "we need to start putting the brakes on..." that
- 16 should be B-R-A-K-E-S...
- 17 (laughter)
- 18 CHAIR ALDRIDGE: Instead of B-R-E-A-K-S. The
- 19 English language is a beautiful thing.
- 20 MS. HAYASHIDA: Mr. Chair, could I also point out
- 21 something? Um, there is an error on page 2,
- 22 Approval of Minutes. It should say Minutes of
- 23 April 24^{th} , not March 27^{th} .
- 24 CHAIR ALDRIDGE: Oh, okay, thank you. That's a
- 25 good preemptive correction there.
- 26 MEMBER LUCK: Yeah.

- 1 CHAIR ALDRIDGE: I didn't catch that. Oh, actually
- 2 you'd sent out a...
- 3 MS. HAYASHIDA: Yeah.
- 4 CHAIR ALDRIDGE: E-mail on that, had you not?
- 5 MS. HAYASHIDA: Yeah, I sent it to, yeah.
- 6 CHAIR ALDRIDGE: Thank you. I don't know, let's
- 7 see. Hearing no other corrections, can we approve
- 8 um, and get a motion to approve the ah, minutes of
- 9 May 22^{nd} ?
- 10 VICE CHAIR HOLMBERG: I so move.
- 11 CHAIR ALDRIDGE: We need a second.
- 12 MEMBER HOWDEN: Second.
- 13 CHAIR ALDRIDGE: So moved and seconded. Ah, vote
- 14 on it? All in favor?
- 15 (a chorus of ayes)
- 16 CHAIR ALDRIDGE: It's unanimous. Testimony from
- 17 the public, do we have any public testimony, Gaye?
- 18 MS. HAYASHIDA: Uh, no.
- 19 CHAIR ALDRIDGE: Thank you. Item six, Appeals.
- 20 Um, Appeal 07-03, an appeal by Thomas L. Behnke on
- 21 behalf of John C. Behnke, Jr., M.D., retired, of
- 22 the Director's decision or order dated September 7,
- 23 2007, to deny their proposal to connect to a new
- 24 waterline to the Department's water system to
- 25 provide fire protection to their subdivision
- 26 located at 150-170 Haiku Road, tmk 2-2-7-003-093.
- 27 For this matter the Board may convene in executive

- 1 session pursuant to HRS 92-5(a)(4) in order to
- 2 consult with the board's attorney on questions and
- 3 issues pertaining to the Board's powers, duties,
- 4 privileges, immunities and liabilities. Um, my
- 5 understanding is that ah, I'm going to turn this
- 6 over momentarily to Corporation Counsel who has an
- 7 announcement regarding to continuing discussions on
- 8 this particular um, appeal. Ed?
- 9 MR. KUSHI: Yeah, Mr. Chair, thank you um, ah, if I
- 10 may and, and this will be subject to confirmation
- 11 from the Department. Ah, Mr., Deputy Director is
- 12 here and ah, I understand the appellants are here,
- 13 Dr. Behnke?
- 14 UNKNOWN FEMALE VOICE: Yes.
- 15 DR. BEHNKE: Yeah.
- 16 MR. KUSHI: Or ah, Thomas Behnke?
- 17 DR. BEHNKE: No I'm, I'm...
- 18 MR. KUSHI: Oh, just, just ...
- 19 DR. BEHNKE: Thomas isn't here yet.
- 20 MR. KUSHI: John Behnke. Ok, um, as late as
- 21 yesterday, anyway, to summarize it and this may
- 22 disappoint most of you...
- 23 DR. BEHNKE: It does.
- 24 MR. KUSHI: Um, the, the parties have ah, is
- 25 requesting that this matter be continued to the
- 26 following Board meeting um, as late as yesterday in
- 27 discussing this matter with the Department

- 1 internally. Um, they've had some recommendations
- 2 to resolve this matter.
- 3 UNKNOWN FEMALE VOICE: May I um, I respectfully
- 4 request that you speak up. My dad's kind of hard
- 5 of hearing.
- 6 MR. KUSHI: I'll try my best.
- 7 UNKNOWN FEMALE VOICE: Thank you.
- 8 MR. KUSHI: As late as yesterday, the Department
- 9 ah, discussed this matter internally, and um, made
- 10 several proposals to resolve this matter with the
- 11 appellants. Ah, and um, although it's not settled
- 12 yet um, the Department did contact the appellant,
- 13 talked to Kepler or one of the Behnke's, and ah,
- 14 they've agreed that um, ah, to defer this matter
- 15 for this morning in hopes of working a resolution
- 16 before the next meeting. If no resolution can be
- 17 made, um, they would continue with the appeal at
- 18 the next meeting. That being the case, the
- 19 Department and the appellants ah, would want to
- 20 request that this matter be continued and not be
- 21 heard today, to give the parties time to work it
- 22 out. Um, that's my understanding as the Board's
- 23 attorney. We need to confirm it with the
- 24 Department as well as the appellants. So at this
- 25 time, may I ask ah, Dr., the Behnke's or
- 26 representatives, is that your understanding?

- 1 DR. BEHNKE: Yeah, well our request is very simple.
- 2 Our request is very simple. We presently have this
- 3 25 acre property which we bought in 1973 with the
- 4 intention of subdividing it into 7 parcels for our
- 5 5 children and ourselves.
- 6 MR. KUSHI: Ah, excuse me Dr. Behnke. The question
- 7 is do you confirm that we, the appeal won't be
- 8 heard today but will be heard next, next month or
- 9 the next meeting in hopes that we can resolve this
- 10 matter?
- 11 DR. BEHNKE: Yes.
- 12 MR. KUSHI: Ok. That's all I need...Eric?
- 13 MR. YAMASHIGE: Yes, thank you very much. Um, we
- 14 did talk to Thomas yesterday and um, Bill Kepler?
- 15 DR. BEHNKE: Yes.
- 16 MR. YAMASHIGE: And, and thank you very much for
- 17 agreeing to work the Department to try and resolve
- 18 this matter and as um, Mr. Kushi did explain, um,
- 19 we hope that we can resolve it. But if we cannot,
- 20 we're asking to be heard next, next meeting.
- 21 MEMBER HALLER: Next month.
- 22 MR. KUSHI: And, and Mr. Chair, for the parties'
- 23 information and the board members, if we can't work
- 24 it, the Department cannot work it out, the
- 25 appellant still has the right to be heard before
- 26 this body. So, you're not losing any rights on
- 27 this appeal.

- 1 DR. BEHNKE: Ok.
- 2 MR. KUSHI: Ok.
- 3 CHAIR ALDRIDGE: Thank you Mr. Kushi. Thank you
- 4 Mr. Behn, Behnke, is it?
- 5 DR. BEHNKE: Behnke.
- 6 CHAIR ALDRIDGE: Behnke. Thank you and thank you,
- 7 Eric. Um, we'll go ahead and defer the appeal of
- 8 ah, until further notice ah, and it'll be either
- 9 if, if you cannot resolve the issue with the
- 10 Department, it will take place at the next regular
- 11 board meeting which typically would be a month from
- 12 today, give or take, and we'll certainly in, inform
- 13 you of that, if that is to take place. We
- 14 appreciate the time that you've taken to come here
- 15 today and um, hopefully you can resolve this matter
- 16 with the Department and, and not have to go an
- 17 appeal.
- 18 DR. BEHNKE: Yeah, Mr. Yamashige was the one we
- 19 were talking with, right?
- 20 MR. YAMASHIGE: Yes.
- 21 CHAIR ALDRIDGE: Right, thank you very much,
- 22 appreciate it.
- 23 DR. BEHNKE: And he made a proposal that the
- 24 Department would install the fire hydrants for a
- 25 total for \$24,000.
- 26 CHAIR ALDRIDGE: Well, we, we don't as a board
- 27 here, we do not need to hear the proposal at this

- 1 point in time. What we're doing is um, leaving
- 2 that matter up to you and the Department, Mr.
- 3 Yamashige. So, if you would just ah, work in due
- 4 diligence with him um, and only if it doesn't
- 5 resolve itself then, then it would come back here
- 6 to the board for resolution.
- 7 DR. BEHNKE: Ok.
- 8 CHAIR ALDRIDGE: Thank you very much, sir. Marion?
- 9 MEMBER HALLER: Yeah, I just want to be clear about
- 10 um, timing? I understand that this conversation
- 11 just happened yesterday, so if the conversation
- 12 happens the day before the board meeting again then
- 13 we lose the opportunity to do another appeal. So,
- 14 I, could we like set a time limit, like you have to
- 15 come to resolution about a week before the board
- 16 meeting so that Gaye can either schedule this
- 17 appeal or schedule the next appeal, so that we can
- 18 give the other people notice, does that seem fair?
- 19 DR. BEHNKE: Thomas is here now. This is Thomas.
- 20 MR. BEHNKE: Hi. Um...
- 21 CHAIR ALDRIDGE: Mr. Behnke.
- 22 MR. BEHNKE: Yes, good morning.
- 23 CHAIR ALDRIDGE: Just wanted to let, good morning,
- 24 just wanted to let you know that we've been
- 25 informed by both the Department staff and um, Mr.
- 26 Behnke that um, you are in continued negotiations
- 27 or discussion...

- 1 MR. BEHNKE: Ah, that is correct...
- 2 CHAIR ALDIRDGE: For a possible solution...
- 3 MR. BEHNKE: Yes.
- 4 CHAIR ALDRIDGE: And ah, as a consequence we don't
- 5 want to prejudice, prejudice that action um, if we
- 6 would defer this um, contested case hearing until
- 7 the next regular scheduled board meeting...
- 8 MR. BEHNKE: Ah, yes, that's fine.
- 9 CHAIR ALDRIDGE: In the event that you do not
- 10 arrive at an agreement before that. Ah, if on the
- 11 other hand, you do or if you are in progress you
- 12 may defer it again and it will not deprive you of
- 13 any rights to an appeal in the event you fail to
- 14 come to an agreement with the Department.
- 15 MR. BEHNKE: Ok, yes, that's understood. Thank
- 16 you.
- 17 CHAIR ALDRIDGE: Ok, you're welcome. Thank you
- 18 very much and, and we do appreciate you coming
- 19 here. It's a very, for you then a very brief
- 20 meeting today, but ah nevertheless we appreciate
- 21 your appearance. Right, thank you. And um, Ms.
- 22 Haller, thank you for that. I think um, the
- 23 Department is advised that they should try to let
- 24 us know as soon as possible in terms of scheduling.
- 25 There's no way to prevent something happening at
- 26 the last minute sometimes. Yeah, thank you.

- 1 Alright we'll move on to the next, thank you very
- 2 much gentlemen.
- 3 MR. BEHNKE: Thank you very much.
- 4 CHAIR ALDRIDGE: Alright, moving on, ah, Unfinished
- 5 Business, there, there's none. Item 8, Other
- 6 Business, A, Discussion and Update Regarding the
- 7 Upcountry Water System and Drought Conditions. Ah,
- 8 I'd like to turn this over to ah, Deputy ah,
- 9 Director ah, Eric Yamashige and ah, Eric, if you
- 10 can give us any update on current situation um,
- 11 appreciate that.
- 12 MR. YAMASHIGE: Thank you very much. Ah, Gaye is
- 13 passing out yesterday's Upcountry Water Report. I
- 14 believe you all get this so you get to follow.
- 15 But, I, I wanted to um, um, maybe go through it a
- 16 little bit, help you understand where the
- 17 consumption is, and the way we look at this report.
- 18 Um, first of all, you can look at Wailoa Ditch and
- 19 it's flowing at about 20 million gallons right now,
- 20 about 10% of its capacity. Twenty million is
- 21 pretty darn low. But it was as low as 15 million
- 22 last week, so that, that really got lot of people
- 23 pretty anxious. Ah, so 20 million is just about
- 24 borderline. Um, Waikamoi is empty and that's the
- 25 result of um, no rain in the Upper Kula area. Then
- 26 Kahakapao, you'll, you'll notice that one side or
- 27 number 2 is nearly empty and we'll draw down one

1 reservoir um, and try and just use one in the hopes that we might be able to clean it out or um, be 2 more efficient use of that water. So, there's 3 about 22 million gallons collectively, which is not 4 bad because ah, that, now I'll jump over to that 5 6 sketch that we have, that Director Eng prepared to 7 help you understand the Upper Kula system. upper right hand corner um, I put an 8 9 We are no longer serving ah, majority of the Upper Kula system from the Olinda 10 11 Treatment Plant. We're only serving the Olinda 12 area, a small service area below the treatment 13 plant, from that treatment plant. So, we're only taking about 200,000 gallons a day out of that 20 14 15 million gallons. Now, I'll jump back to ah, the, 16 the chart or the table and we'll look at the demand side. And under the demand side um, we do have in 17 effect 4 systems Upcountry. When you look at the 18 Upper Kula system, you see that it's a sum of 19 whatever's being treated at Olinda, .2 million 20 21 gallons plus what is being pumped up at phase 6 in 22 the second to the last column on the right. 23 Upper Kula is presently or as of um, wen, today is 24 what Thursday, Tuesday, I mean you do understand that when the report is dated June 25th it's the 25 previous day's data. So, on that day there was a 26 total consumption of 8-1/2 million gallons, Upper 27

- 1 Kula was drawing 1.5 million gallons. And to get 1.5 million gallons, notice Olinda 2 3 treating .2 and if you look back at the chart um, the sketch, the schematic, phase 6 was running at 4 1.5. Um, and that's how we got 1.7 million gallons 5 6 on that system. Now um, going to the Lower Kula 7 system, you have 3.9 million gallons being treated by the Piiholo Reservoir um, Treatment 8 9 that's the 3.9. One point four million gallons is 10 being pumped up from phase 10, if you kinda go jump 11 back and forth between the table and the sketch, 12 you can see where these numbers are coming from. 13 Um, of that, .8 million gallons is going back into the raw water reservoir at Piiholo. I'll come back 14 15 to that little bit. Um, and of course the 1.5 16 million gallons is going up to Upper Kula. Lower Kula system has a demand of about 3 million 17 gallons. Now, that .8 million gallons um, you 18 know, it's treated water that's coming, being 19 20 pumped up from the lower system and going back into 21 the Piiholo groundwater reservoir. Um, I had a hard time with this, ok, because as an engineer, 22 23 why would you treat the water, put it back into the
- 25 CHAIR ALDRIDGE: Good question.

raw water reservoir?

26 (laughter)

24

- 1 MR. YAMASHIGE: And I know Lee would really get off 2 on this. But really what happens is phase 10 has actually 3 levels. You know from Pookela to our 3 booster pump, from that booster pump to another 4 booster pump and the relays between those pumps do 5 6 not allow um, like instantaneous shut-offs. 7 you know, although we do want to try and improve 8 the system, that serves as protection, protection 9 for the system. Um, so you know, we don't damage 10 the system, we don't damage the pipes, we don't It's, it's like 11 overflow the reservoirs. 12 release. The, the best thing we can do is try to 13 minimize how much water is going back into the raw 14 water reservoir. Now that being said, in past 15 years, that has actually been a savior, the ability 16 to put water in the raw water reservoir, because if 17 you were to cut-off all the processing at Piiholo 18 Treatment Plant because there was no water in the 19 reservoir, that means everything would have to be 20 pumped up from the lower system and we, you run the 21 risk of anything happening and the system fails. 22 So, so although we can um, maybe accommodate a minimal flow from Olinda if we lost Piiholo we'd be 23 24 in a world of hurt. Um, so it kinda works 2 ways.
- 25 Doesn't seem real efficient but it works.
- 26 MEMBER ROBINSON: Because the, in the raw water its
- 27 gravity will, it uses gravity?

- 1 MR. YAMASHIGE: Yeah, yes. Um, it's just the
- 2 booster pump system um, has its limitation and we
- 3 are going through and evaluating that, hoping to
- 4 upgrade that. But if we had to pump you know, 1-
- 5 1/2 plus 3, 4-1/2 um, and really 2-1/2 that's being
- 6 used at Makawao, all the way from Kamole, then,
- 7 then it's just a very big demand on that system.
- 8 Yeah, you know, wish it was better but it's
- 9 something that works and we live with it. What,
- 10 what you will notice though is we are trying to
- 11 minimize how much water goes back. And the way
- 12 we've done that is we reduced what we're producing
- 13 at Kamole and I'll go through that in a little bit.
- 14 And I hope this isn't boring you.
- 15 CHAIR ALDRIDGE: Not at all.
- 16 MEMBER ROBINSON: No, not at all.
- 17 MR. YAMASHIGE: I just thought we'd go through
- 18 this. Ok, Makawao um, you can probably know by now
- 19 start figuring out where these numbers come from.
- 20 That 2-1/2 million gallons is from the Kamole
- 21 Treatment Plant, pumps up to the Pookela Tank. You
- 22 add 1.3 million gallons that is being pumped out of
- 23 the Pookela Well and then you subtract the 1.4
- 24 million gallons that is being pumped up by phase
- 25 10. So the Makawao is presently using about 2-1/2
- 26 million gallons a day ah, based on that one day.
- 27 Um, you notice that there is no water coming from

- 1 the Hamakuapoko wells to the Kamole Treatment
- 2 Plant. Um...
- 3 CHAIR ALDRIDGE: Question.
- 4 MR. YAMASHIGE: Yes.
- 5 CHAIR ALDRIDGE: What is the capacity of those
- 6 wells even though they're not being used and
- 7 obviously can't be because of the Council did edict
- 8 but what are, what is the capacity?
- 9 MR. YAMASHIGE: It's about 1-1/2 million gallons.
- 10 CHAIR ALDRIDGE: Both, for both? Together?
- 11 MR. YAMASHIGE: Together. Ok, and then the ah,
- 12 Haiku system, you have the Kaupakalua Well at .9
- 13 million gallons a day and the Haiku Well that has
- 14 been running about .4 million gallons a day, it's
- 15 1.3. Um, what one caveat on that is, you notice
- 16 that there is a dash line between Pookela and
- 17 Kokomo Tank. Ah, we do have the ability to drop
- 18 water from Pookela to Haiku and although it's not
- 19 shown on this, there is a little bit of water that
- 20 actually goes down there because there's a service
- 21 area, above the service area of the Kokomo Tank,
- 22 ok. So, otherwise those people wouldn't get water.
- 23 So that's a pretty quick overview um, couple things
- 24 you know, by agreement with ah, with EMI when the
- 25 Wailoa Ditch goes below ah, certain level, I want
- 26 to say was about 20, 25 million gallons a day. Ah,
- 27 we're supposed to start up all of our ah

- 1 groundwater sources, which we have in the form of
- 2 Pookela. We do always run Kaupakalua and Haiku and
- 3 Kokomo. H'poko has been taken away from us. Um,
- 4 are there any questions that, or if I can clarify
- 5 anything? Ok, if not...
- 6 CHAIR ALDRIDGE: Ah, I have a question. I'm sorry.
- 7 I have a couple questions. Um, would you say,
- 8 Eric, that this year has been drier in this spring
- 9 than, than last year, because I, I went and looked
- 10 at this year's um, June, I guess 25th report versus
- 11 last year's and it surprisingly I thought this year
- 12 was drier but it looked last year it was almost the
- 13 same thing, although the flows in the Wailoa Ditch
- 14 were um, running 30 to 45 million gallons a day.
- 15 Um, they had not, they had not been as low prior to
- 16 um, this point. They were running at that flow for
- 17 most of the month of May I think, as opposed to
- 18 this year. But the one thing I did notice was that
- 19 this year the total demand or consumption was like
- 20 almost 10% less, was like 8.11 versus 9.01.
- 21 MR. YAMASHIGE: That's the trouble having Lee,
- 22 yeah. He checks out all these...
- 23 (laughter)
- 24 MR. YAMASHIGE: Um, I have not gone back to look at
- 25 what last year's numbers were. Um, but yeah, last
- 26 year we're doing the same thing. The, the
- 27 difference that ah , we're noticed from last year

- 1 and this year is that our dry summer started like
- 2 in the winter.
- 3 (laughter)
- 4 MR. YAMASHIGE: Um, we were starting to really
- 5 monitor these um, reservoir levels back in February
- 6 um, it was, it was interesting because we actually
- 7 ah, lifted the drought in December of 2007 and
- 8 counting February we already looking at where these
- 9 levels are going at, how we're gonna try write a
- 10 drought declaration. Um, fire hazard, um, I'll
- 11 tackle that later. I should take notes when Lee
- 12 talks.
- 13 (laughter)
- 14 CHAIR ALDRIDGE: Well, I, I have a question. What
- 15 is the prognosis for this summer ah, and ah, what
- 16 is, what do we face as a worst case scenario?
- 17 MR. YAMASHIGE: Doom and gloom.
- 18 (laughter)
- 19 MR. YAMASHIGE: You know um...
- 20 CHAIR ALDRIDGE: Ancillary to that is, what are we
- 21 prepared to do about it?
- 22 MR. YAMASHIGE: Yes. Ok, worst case scenario would
- 23 be Wailoa Ditch getting really low um, you know, we
- 24 have a really good working relationship with EMI.
- 25 Um, there are limitations on how much water we can
- 26 take out of that ditch by agreement when the ditch
- 27 goes low. There, there's a calculation. I went

27

1 through it before but I can't recall it right now. That being said, EMI has recognized that if the 2 3 ditch goes low and we need the water, you know, they'll cut back fields um, from production to 4 allow us to take the water. So you know we, they, 5 they recognize that. We're very fortunate that 6 7 they see that the um, potable consumption, human consumption is, is priority. Um, that would be a 8 9 really bad thing, if Wailoa Ditch goes down and 10 with respect to that, when, when you see the, when 11 you see it rain and Wailoa Ditch goes up and then 12 it stops raining and Wailoa Ditch goes down pretty 13 quickly and I think that's an indication of the condition of the watershed. Um, it is not holding 14 15 the water and slowly releasing it you know like it 16 used to. And that's a bad thing. Um, Kahakapao is 17 always a, a concern because it is so high up the 18 mountain um, it doesn't rain up there very often. Um, I mean, we make fun of each other when we say 19 20 it rained and Kahakapao got no water. It just 21 doesn't get up that far up the hill, um, and not regularly. Um, but if Kahakapao went down you know 22 23 we do have the ability to pump from Omaopio back up 24 to the Olinda Treatment Plant clearwell and serve that 200,000 gallons a day. We, we did that last 25 year, 'cause Kahakapao was bone dry yeah. 26

Piiholo would be a problem. Piiholo is in the

- 1 middle of the system that puts enough water in the
- 2 system that generally can um, accommodate the Upper
- 3 and the Lower Kula systems. If that reservoir went
- 4 dry, and we could not treat the Piiholo, and that's
- 5 the scenario we discussed a little while ago, we
- 6 would have to pump everything up from the lower
- 7 system. But if Wailoa has no water and Piiholo has
- 8 no water and Kahakapao has no water, the only
- 9 sources of water we have or groundwater is Pookela
- 10 Well um...
- 11 CHAIR ALDRIDGE: Kaupakalua.
- 12 MR. YAMASHIGE: Kaupakalua Well which is in Haiku
- 13 and the Haiku Well which is in Haiku and at this
- 14 point we do not have the ability to pump water from
- 15 Haiku up to Makawao. I'm very happy that it's
- 16 something that our engineering division has um,
- 17 considered options to do that. Although you can
- 18 see that the consumption in Haiku pretty much takes
- 19 care, takes the water that's being developed in
- 20 that area. So, we have 3 well sources if things
- 21 went really bad. And if things went really bad,
- 22 I'm quite sure that um, maybe even the governor
- 23 might declare an emergency at which point um, my
- 24 understanding is it might override the Council's
- 25 action and we would have to um, try and get H'poko
- 26 um, back into production. Is that a doom and gloom
- 27 kinda thing?

- 1 CHAIR ALDRIDGE: Yes, that's pretty gloom. I don't
- 2 know about doom but ah, I remember one time a
- 3 fellow from EMI was here, at one of the meetings
- 4 and I had asked him specifically if he knew off the
- 5 top of his head what the lowest flow of record was
- 6 on the Wailoa Ditch. Do you remember what the
- 7 response was?
- 8 MEMBER HOWDEN: Twelve, twelve to fourteen...
- 9 CHAIR ALDRIDGE: Twelve to fourteen...
- 10 MEMBER HOWDEN: Historically.
- 11 CHAIR ALDRIDGE: Historically. So we got pretty
- 12 close to that at 15 just a...
- 13 MEMBER HALLER: Well, we were down to thirteen
- 14 seven...
- 15 CHAIR ALDRIDGE: Were we?
- 16 MEMBER HALLER: A couple of weeks ago.
- 17 CHAIR ALDRIDGE: Yeah.
- 18 MEMBER HALLER: Um, a couple of times we were at
- **19** 13. I was like...
- 20 CHAIR ALDRIDGE: Yeah it's a bit scary. Very, very
- 21 frightening. Um, and we're just entering summer.
- 22 MEMBER LUCK: Yeah.
- 23 CHAIR ALDRIDGE: So, it's, it makes it, it's
- 24 extraordinarily precarious position, I think. Um,
- 25 you know although people are conserving which is
- 26 admirable um, nevertheless, if you just look at
- 27 the, the quantities available even with Hamapoko,

- 1 Hama, the H'poko wells, I always have trouble with
- 2 that pronunciation. Um, we really clearly
- 3 dependent on some flows in the Wailoa Ditch or ah,
- 4 as we used to say in high school, you might as well
- 5 as bend over and kiss your butt goodbye.
- 6 MR. YAMASHIGE: No, no, no, no.
- 7 (laughter)
- 8 MR. YAMASHIGE: We're not there.
- 9 CHAIR ALDRIDGE: Ok, well thank god for that. I,
- 10 you know what, I think you might want to mention
- 11 that um, one of the reasons there's so many ah,
- 12 relay pump stations or, is it, you just can't pump
- 13 700 pounds pressure to go from one zone to the
- 14 other because most of the American Water Works
- 15 standards of pipes are like 150 to 250 psi. And
- 16 brings to mind ah, an example ah, in Denver, I
- 17 don't know if anybody remembers this but just
- 18 recently they had a big sinkhole under Interstate
- 19 25, and that was a result of, of a pump shutdown
- 20 that caused a surge through a 66-inch diameter
- 21 pipeline that blew a 15 foot diameter hole through
- 22 the side, ripped out the seal.
- 23 MEMBER LUCK: Wow.
- 24 MEMBER HALLER: Wow.
- 25 CHAIR ALDRIDGE: And that was because their surge
- 26 protection system failed and their pressure doubled
- 27 in that pipeline. And that, that's what can happen

- 1 if, if you had pump failure accidentally and your
- 2 surge control doesn't work. Which is all you need
- 3 on top of the drought. Oh, Mike.
- 4 MEMBER HOWDEN: Um, thank you Eric. I, I really, I
- 5 think we all really appreciate your presentation.
- 6 Um, you know you point out that Waikamoi is empty,
- 7 um, I mean it, it's empty anyway because it doesn't
- 8 really function at least and needs cleaning out and
- 9 stuff like that. Um, you know I'm, I'm really
- 10 concerned that, that we're not seeing positive
- 11 action by the Department or by the County in terms
- 12 of trying to improve out in-take systems. Um, ah,
- 13 I had heard ah that there has been some work at the
- 14 flume system at Waikamoi. I don't know if, if
- 15 that's true or not. Can you comment on that?
- 16 MR. YAMASHIGE: Sure. Um, yeah it, it's a very old
- 17 system. It certainly takes a lot of maintenance.
- 18 Um, but on Wednesday, we did have our field
- 19 operations crews working on Piiholo and Waikamoi.
- 20 Ah, started at 7 ah, 5:30 in the morning, cause
- 21 they need to hike in. Um, then we had helicopter
- 22 support somewhere around 7, 7:30 that flew in some
- 23 of the concrete that needed to be used to make the
- 24 repairs. We are doing quite, quite a bit of
- 25 repairs on Waikamoi and Piiholo. Um, certainly we
- 26 don't wanna let water that might be coming in
- 27 bypass our system. Ah, we do want to make it as

- 1 efficient and effective as possible um, and we're
- 2 working on it. There's, there's safety issues that
- 3 you know, we've had to address. We do have a
- 4 pretty big project going in that will put a, a
- 5 safety line along the Waikamoi flume. I have never
- 6 walked on that flume.
- 7 (a chorus of "we have")
- 8 (laughter)
- 9 MR. YAMASHIGE: And you're all back.
- 10 (laughter)
- 11 MR. YAMASHIGE: Um and...
- 12 MEMBER HOWDEN: All but one.
- 13 (laughter)
- 14 MR. YAMASHIGE: Ok, I'm sorry. Yeah, I haven't
- 15 gone that far into the system yet. I realize it's
- 16 beautiful out there but it is a system that we need
- 17 to take care of. And ah, we're putting in a safety
- 18 line that where if we can wear harnesses, hook up
- 19 to it ah, while they're working on the flumes so,
- 20 if, if any thing happens they'll, they'll be
- 21 protected. Um, following that you know, we have
- 22 plans to make um, substantial improvements to the,
- 23 to the flume system um, that hasn't been designed
- 24 yet but it may be um, you know one, one
- 25 consideration is moving away from the redwood
- 26 flumes to a more light consistent so you know, I
- 27 don't know enough about what we have planned for

- 1 that yet. I will say as Lee mentioned the ah,
- 2 consumption Upcountry is, is admirable. The 8 and
- 3 half, you know, million gallons a day is, and is a
- 4 pretty good number for Upcountry. Um, and, and it
- 5 hasn't gone, hasn't gone up since we lifted the
- 6 drought, so the commitment to conservation has been
- 7 adopted Upcountry. They're doing a really good
- 8 job. I have seen that number go up to over 10, so
- 9 keeping it at 8 and half or, it is a good thing.
- 10 Yeah, I know there are, I've seen pictures of the
- 11 Waikamoi flume and there are, it's a redwood flume.
- 12 It's a redwood support. Ah, as good as redwood
- 13 holds up to wet weather, it, it still does get
- 14 deteriorated. So, so we had guys go in ah, assess
- 15 the flumes and make the repairs that need to be
- 16 made. Ah, oh yeah, we, we're very aware of um, the
- 17 importance of bringing that raw water to the
- 18 reservoirs. As far as Waikamoi, you, you'll see
- 19 earlier in this report that there was some water in
- 20 Waikamoi. And we'll keep it there for a little
- 21 while just to settle out ah, some of the suspended
- 22 solids. I shouldn't say that, yeah.
- 23 MEMBER HALLER: Settlement.
- 24 MR. YAMASHIGE: Ok, what I guess...
- 25 MEMBER ROBINSON: Sediment?
- 26 MEMBER HALLER: Sediment, sediment.

- 1 MR. YAMASHIGE: We, we'll keep it in there for a
- 2 little while and send it over to Kahakapao so we
- 3 don't have as much sediment in Kahakapao
- 4 reservoirs. Um, suspended solids is the dirty
- 5 water guys.
- 6 MEMBER HOWDEN: You know, Eric um, I know when um,
- 7 actually Director Eng was quoted in the newspaper a
- 8 few weeks ago as saying that it would end, perhaps
- 9 this is a mis-statement by the Maui News which of
- 10 course is not unusual. But um, that to set up a
- 11 good safety system would take 3 years and then it
- 12 would take another 3 years to get the design work
- 13 done to improve the Waikamoi intake system and I
- 14 would suggest that since um, this is basically free
- 15 water um, you know that we have at had it over
- 16 4,000 feet that we should do everything we can to
- 17 capture source water at that elevation and that we
- 18 might want to somehow through the administration
- 19 and ah, Charmaine's good relation with the state
- 20 administration um, to see if we can do something
- 21 to, to facilitate our re-design and
- 22 implementation of a good design.
- 23 MR. YAMASHIGE: I don't know how to respond to
- 24 that, yes. Um, the design for that safety system
- 25 is almost complete and will be implemented. Um,
- 26 and certainly you know it doesn't, you don't have
- 27 to wait till the safety system is in before we

- 1 start designing ah, the flume system or whatever
- 2 system we design to replace it. Ah so, and I hope,
- 3 hope it doesn't take 6 years.
- 4 MEMBER HALLER: Mr. Chair...
- 5 CHAIR ALDRIDGE: Yes, Marion.
- 6 MEMBER HALLER: Um, um, I'm just trying to recall
- 7 from the budget session. I recall there was money
- 8 in the budget for this coming fiscal for that
- 9 safety to be completed and I don't recall if there
- 10 was money in there for the design.
- 11 MR. YAMASHIGE: Yes.
- 12 MEMBER HALLER: It's about the money too, right?
- 13 MR. YAMASHIGE: Yes. Um, there was, there is money
- 14 in there, the 2009 budget, I think, for that safety
- 15 system. I can't remember how much it was. I don't
- 16 think there was a design funding for the flume
- 17 replacement. But you know again, we do have a
- 18 couple of years maybe before it happens. Um, it's
- 19 something we will keep in mind. Thank you, Marion.
- 20 CHAIR ALDRIDGE: Um, Eric, I have one additional
- 21 question, well actually a couple but ah, on the
- 22 Waikamoi system, you know, when board members were
- 23 given the opportunity, thank you to the Department
- 24 to tour that facility and Marion and I walked out
- 25 on that um, um, Waikamoi flume...
- 26 MEMBER HALLER: We were going over that trestle...

- 1 CHAIR ALDRIDGE: Yeah, we walked over several
- 2 trestles actually, I think, um, which was an
- 3 exciting thing actually, but I'm, um, you know I
- 4 was really ah, taken aback by the fact that some of
- 5 that system including the, the one reservoir, I
- 6 don't remember the name of it, maybe it was called
- 7 Waikamoi, was actually built or constructed in
- 8 1926, I think it was. It was clearly constructed
- 9 and designed for a much smaller capacity system.
- 10 The other thing that I found remarkable that um,
- 11 Paul um, pointed out, our tour guide, um, was that
- 12 um, the collection facilities relied on the ability
- 13 of the um, the whatever that's called, that moss
- 14 that grows up there, to hold water...
- 15 MEMBER ROBINSON: Sphagnum?
- 16 CHAIR ALDRIDGE: Yeah, sphagnum, was it? And, and
- 17 to release, to hold water from the rainfall and to
- 18 release it slowly into the system, and he was
- 19 pointing out the areas that were um, that had been
- 20 disrupted by the invasive species, the, the ah,
- 21 basically the, the wild boars ah, eating much of
- 22 that and, and I'm wondering aside from leaks in the
- 23 flume itself and or ah, the inability of the
- 24 collector systems to collect all the water, how
- 25 much of that whole area is losing the ability to
- 26 hold and release water due to problems like that?

- 1 And what can we do about that besides you know
- 2 sending all of us up there to hunt wild boars.
- 3 MEMBER ROBINSON: Wild pig season.
- 4 (laughter)
- 5 MR. YAMASHIGE: You know, I'm sure there are people
- 6 here that can speak much better to this. I will
- 7 say that the Department um, does issue grants um,
- 8 to some of these organizations that are um,
- 9 addressing some, those issues. Um, the Maui
- 10 Invasive Species Committee, I, I, MISC. Um,
- 11 there's an organization that we support and they do
- 12 go in. They've been addressing that um, that big
- 13 leaf plant, can't think of it's name...
- 14 MEMBER LUCK: Miconia?
- 15 MR. YAMASHIGE: Miconia. Thank you, yeah. Ah, and
- 16 they, they'd been doing a really good job. Um, the
- 17 coqui frog is another one that they've been trying
- 18 to address and you know, we haven't had a real big
- 19 problem and maybe because I live in Wailuku...
- 20 (laughter)
- 21 MR. YAMASHIGE: I've heard that they've been doing
- 22 a really good job in controlling that population.
- 23 Um, so you know, initially I, I was thinking, why
- 24 are we giving away department's money for some of
- 25 these things and ah, they've been doing a really
- 26 good job to ah, protect our watershed. And you're
- 27 right um, like I said before yeah, it seems like

- 1 the watershed is responding too quickly to the
- 2 rainfall events. It is a big concern.
- 3 MEMBER HOWDEN: You know, the other thing is that
- 4 because the, the, that system really can't be well
- 5 maintained um, ah, and it's minimally men,
- 6 maintained at present. I mean when we were there,
- 7 there was debris um, from the in-takes that was
- 8 thrown on the redwood, I mean you just don't, you
- 9 don't throw rotting leaves and, and other organic
- 10 debris on top of redwood and you know, I don't know
- 11 what are historical relation is with EMI but I felt
- 12 whoever was taking care of that was actually doing
- 13 a pretty poor job and it was very counter
- 14 productive. Um, and, but the real thing is that we
- 15 need to re-design that so that we can capture more
- 16 water and of course you know we will contingently
- 17 be dealing with ah, stream flow issues but, but I
- 18 would feel that because part of this water at least
- 19 will be designated for Hawaiian Homes that there
- 20 would, will be factors mitigating and, and making
- 21 it so that you know, in negotiations ah, with um,
- 22 the stakeholders in the system that you know we can
- 23 work something out, but, but it's, it's pointless
- 24 to let that water flow through when we can capture
- 25 it there simply ah, by doing better design.

- 1 CHAIR ALDRIDGE: Just as information item, I think
- 2 we have ah, I forget who it was from EMI, um, have
- 3 accepted invitation....
- 4 MS. HAYASHIDA: Garrett.
- 5 CHAIR ALDRIDGE: To be ah before this board at the
- 6 next board meeting.
- 7 MS. HAYASHIDA: July, yes.
- 8 CHAIR ALDRIDGE: So we may have some questions for
- 9 him at that time about maintenance and those sort
- 10 of issues.
- 11 MEMBER HOWDEN: Be nice.
- 12 CHAIR ALDRIDGE: We will be nice. We always are.
- 13 Marion?
- 14 MEMBER HALLER: Um, I wanna take this opportunity
- 15 to since you brought it up, we all saw that um,
- 16 Kahili Ginger, that was so stunning when we were up
- 17 there, that is the only ginger that is propagated
- 18 by seed. I did some research afterwards because I
- 19 thought it was a little funny that nobody knew
- 20 anything about this stunning plant that was just
- 21 kinda all over the road area and all area. It's
- 22 the only ginger that propagates by seed, so it is
- 23 now being found inside the rainforest. It was put
- 24 there as barrier when the road was first put in, so
- 25 we brought it up there. And it is now slowly going
- 26 to take over. It, it's root system totally
- 27 destroys the loam so that ginger is actually a big

- 1 problem up there. And, it, it, it's just shocking
- 2 to me. So here we go, so it's so gorgeous but
- 3 that's one of the invasive species ...
- 4 MEMBER HOWDEN: Very problematic.
- 5 MEMBER HALLER: That we put there to keep the road
- 6 you know, keep the jungle at bay and it
- 7 unfortunately does too good a job.
- 8 MEMBER HOLMBERG: What, which kind of ginger is
- 9 that?
- 10 MEMBER HALLER: It's called Kahili.
- 11 CHAIR ALDRIDGE: And it was beautiful. I'd love to
- 12 have it in the yard.
- 13 MEMBER HALLER: Yeah, gorgeous.
- 14 MEMBER ROBINSON: Beautiful smell.
- 15 CHAIR ALDRIDGE: Yeah. Well, not to beat a dead
- 16 horse but are we at, at the verge of some kind of
- 17 declaration of, of mandatory cut-backs beyond what
- 18 we see now? It would appear to me the answer might
- 19 be yes.
- 20 MR. YAMASHIGE: Let me say that the system has been
- 21 maintaining ah, since, since the last meeting with,
- 22 was it only the last meeting that we did the watch?
- 23 (a chorus of yes)
- 24 MR. YAMASHIGE: Seems like forever.
- 25 (laughter)
- 26 MR. YAMASHIGE: Um, you know, I, I would, I would
- 27 love for you guys to give us the um, ability to, to

- 1 declare um, a warning, if, if we get to that point.
- 2 At this point we, we, really looks like the system
- 3 is holding up. Um, we're not stressing yet but we
- 4 are stressing, yeah?. But we're not at that point
- 5 where um, we would need to go to mandatory at least
- 6 in my opinion, and I haven't talked to anybody yet
- 7 so, um, but if, if it's, you know within your
- 8 hearts to ah, give us that ability to um, declare
- 9 that warning um, we'd appreciate it 'cause it would
- 10 allow us more flexibility in that operation.
- 11 CHAIR ALDRIDGE: Thank you Eric. Well, um, unless
- 12 there's any other...
- 13 MEMBER HOWDEN: Lee?
- 14 CHAIR ALDRIDGE: Yes.
- 15 MEMBER ROBINSON: Um, I'd just like to...
- 16 CHAIR ALDRIDGE: Oh, I'm sorry Phyllis.
- 17 MEMBER ROBINSON: Compliment on what ah, Deputy
- 18 Director just said. Um, I'm just wondering if
- 19 there's a psychology um, to, um, holding off um,
- 20 and I actually feel supportive of that because I
- 21 think there's a certain ah, indication that there's
- 22 conservation happening and I think it counts upon
- 23 the ability of the common sense of the people to
- 24 see that we're lacking in rain. Um, and there's a
- 25 pride that comes from just knowing that and
- 26 conserving on their own. And, um, I just think
- 27 that ah, putting mandatory um, drought or drought

- 1 warning on the people may actually have an adverse
- 2 affect in, in a way because people are, are you
- 3 know, being maybe, being told that you know that
- 4 you're seeing this conserving, you're acting
- 5 accordingly so, um, give them a reverse effect I
- 6 think.
- 7 MR. YAMASHIGE: Yes, thank you and um, I think if
- 8 you read the Maui News every Monday morning, ah,
- 9 Director Eng is usually quoted in there and um,
- 10 he's been trying to stress our appreciation to the
- 11 Upcountry residents because you know, as you've all
- 12 noticed they are doing a really good job keeping
- 13 the consumption down. And at 8-1/2, the system
- 14 seems to be ok, you know it's not great. Um, we
- 15 are low Upcountry. What we really need to do is
- 16 watch those triggers like Wailoa Ditch, if it gets
- 17 really low ah, with no rain foreseen. It would've
- 18 been last week, we've gotten some rain where we
- 19 needed. Last year it was amazing that we got rain
- 20 when ah, we, we thought things were gonna be really
- 21 bad. And we're expecting some rain now. So, I, I
- 22 agree with you Phyllis. I would hate to put
- 23 mandatory um, unless the system really shows us
- 24 that we have no choice and, I, I think we would
- 25 avoid it as long as we can.
- 26 MEMBER HOWDEN: Lee, can I comment?

- 1 CHAIR ALDRIDGE: Thank you, Eric. Yes, go ahead
- 2 Michael.
- 3 MEMBER HOWDEN: Yeah, um last meeting um, Marion
- 4 asked and, and the board ah, supported ah, hearing
- 5 from the Department, hearing from the
- 6 Administration, hearing from the Council, of what,
- 7 what steps were being take to really bring in more
- 8 source water. Um, and other than Eric's um, very
- 9 gracious presentation um, you know, we're not
- 10 hearing anything. Um, and I would also point out
- 11 that the Department has, the Director has the power
- 12 to call, call a drought. Um, you know we seem to
- 13 be by-passed on other issues um, so that you know,
- 14 I, I, I personally would rather leave this in the
- 15 Director's hands, um, than for us to take a step
- 16 and also, I think it would be useful if in Jeff's
- 17 weekly ah, report that, that he kinda coaches
- 18 people a little bit in terms of our conservation
- 19 outreach. I was walking Kekaulike yesterday
- 20 afternoon around 3, 3:30, the upper highway, and
- 21 one of the farming families near me was watering
- 22 heavily just emp, you know, empty land, land that
- 23 had been cleared that was really just garden space,
- 24 but they were you know, quite a bit of water was
- 25 being used. The Ohana Animal Inn was um, heavily
- 26 watering their lawn, you know, I mean, you know I
- 27 mean this is what I saw walking a mile and half

- 1 down the road, so um, if we could somehow try to
- 2 bring in people, I mean, just no sense watering in
- 3 the heat of the day, when so much of that water
- 4 just evaporates.
- 5 MR. YAMASHIGE: Yeah, thank you Michael. You know,
- 6 all you gotta do is drive through some of these
- 7 subdivisions, especially Kahului, you know it's, if
- 8 you don't irrigate your lawn it's gonna be brown,
- 9 it's gonna be dry. So just driving through
- 10 Kahului, you can see who, who is taking this
- 11 seriously and who is just watering their lawn. You
- 12 know, it's hard to watch people that are irrigating
- 13 when everybody else is trying to conserve. Um,
- 14 that's a good idea and maybe what we ah, I'll talk
- 15 to our department and see what we can do. But we
- 16 do have um, we are trying to get the conservation
- 17 ah, word out. I don't know if you guys hear this
- 18 thing on the radio, once in awhile the radio spots
- 19 that we put out um, to conserve? And if you notice
- 20 that it is from the Board of Water Supply. I used
- 21 to say how come?
- 22 (laughter)
- 23 MR. YAMASHIGE: Um, but you know we are trying to
- 24 get that conservation word out and please if you
- 25 see people, especially sitting on the Board, you
- 26 know, talk to 'em, let 'em know that, that's not
- 27 the best um, most efficient way to do it,

- 1 especially if you guys have that background and
- 2 understanding that. You can see my yard, you know
- 3 I don't water it.
- 4 CHAIR ALDRIDGE: Thank you Eric, and, and I think
- 5 Michael did remind us of a good comment from the
- 6 previous meeting, that was it, we do want to see
- 7 ah, information from the Department on all the
- 8 different efforts that are undertaken, whether
- 9 they're in planning, design or whatever stage with
- 10 regard to development of sources and distribution
- 11 etcetera, so if you can put that down, jot that as
- 12 a note, Eric, for, for ah maybe next meeting or the
- 13 future meeting ah, ah as you're prepared to do it.
- 14 Um, obviously you saw in the news ah, the ah report
- 15 that um, ah I think it was Senator um, Akaka?
- 16 Yeah, had been ah touring the um, and the Mayor,
- 17 had toured the sites or at least they were
- 18 Upcountry looking at potential sites for the 300
- 19 million gallon reservoir. Um, and so that's
- 20 encouraging.
- 21 MEMBER ROBINSON: Yeah, and we've also, I, I think
- 22 we've also heard that there's a possibility that it
- 23 may be split and not be...
- 24 CHAIR ALDRIDGE: Right.
- 25 MEMBER ROBINSON: All 300 million but maybe...
- 26 CHAIR ALDRIDGE: Yeah, split into 2 reservoirs.
- 27 MEMBER ROBINSON: Into 2.

- 1 CHAIR ALDRIDGE: So, thank you very much. Um,
- 2 perhaps what we need to do is um, ah, and I'm
- 3 reminded of ah, we'll talk story here, ah, when I
- 4 was a officer in the U.S. Public Health Service and
- 5 the privilege of witnessing rain dances on the Hopi
- 6 Indian reservation and maybe we can get the Board
- 7 to go up to ah, the Upper Kula system and do a rain
- 8 dance together.
- 9 (laughter)
- 10 CHAIR ALDRIDGE: If only that would work.
- 11 MEMBER ROBINSON: You never know.
- 12 CHAIR ALDRIDGE: You never know. Let us move on to
- 13 the next item. Um, Discussion regarding How Much
- 14 Water is Needed to Serve All the Applicants On the
- 15 Upcountry Priority List, the favored question of
- 16 mine I've raised a number times, so. Eric? Have
- 17 you, are you prepared to do any song and dance on
- 18 this?
- 19 MR. YAMASHIGE: Let me try to ah, give you an idea
- 20 of what this might mean. Um, the County Council or
- 21 Water Resources Committee did ask us how many
- 22 meters and how much water would be needed to
- 23 address the first 200 people on the meter list.
- 24 Um, that the answer to that um, based on the May
- 25 15th, 2008 list, the first 200 people on that list
- 26 equates to 370 meters. Ah, 370 meters means brand
- 27 new meters or upgrade of meters right, it's on that

- 1 number, ok? The 370 meters equates to
- 2 approximately 350,000 gallons of water a day. Um,
- 3 you know, these are planning numbers so, I mean,
- 4 take it for what it's worth. So, I did a little
- 5 bit of math, um, there are currently 1,312
- 6 applications on the meter list.
- 7 MEMBER HALLER: How many?
- 8 MR. YAMASHIGE: One thousand three hundred twelve.
- 9 Ah, then you divide that by 200, you multiply that
- 10 by 350,000, it comes out to about 2.3 million
- 11 gallons a day. Um, assuming we're gonna use a well
- 12 to, to provide this water, at the 45% um, return
- 13 we're looking at developing 5 million gallons of
- 14 source. Now, um, you know again these are simply
- 15 calculations ah, you can check my math, but it's,
- 16 it's simply a, an order of magnitude. So, there's
- 17 a lot of water on that list.
- 18 CHAIR ALDRIDGE: I'm sorry Eric, I missed the, the
- 19 first, how many were on the list now currently,
- 20 1,000 and what?
- 21 MEMBER ROBINSON: Three hundred and twelve.
- 22 CHAIR ALDRIDGE: One thousand three and twelve.
- 23 Um, I have a question on that 45%, I know that was
- 24 in the Piiholo Agreement. What exactly does that
- 25 represent when you say, 45% of the estimated um,
- 26 yield from a well?

- 1 MR. YAMASHIGE: Um, I, I'll use a 1 million gallon also it's easier for me to figure this out. 2 3 the well is rated to produce 1 million gallons a day um, the first 2/3, and it's 2/3 of 2/3, which 4 comes out to, the remainder is um, about 45%. 5 6 first 2/3 is the inverse of um, average day to max 7 day, 1-1/2 times. Um, so if the average day was a million gallons a day, the max day would be 1-1/28 9 million gallons a day. So, that's the first 2/3. 10 The second 2/3 is a 16 hour run time instead of a 11 24 hour run time. Um, and that's just to take into 12 consideration the time that the well might be down 13 for maintenance or um, might be down for repairs. 14 So, the way the Department looks at the capacity of 15 a well is 2/3 of 2/3 or 45% of the actual um, rate 16 of capacity of that well. Now that's, that's the 17 way it's computed that doesn't mean that that's the 18 way it has to be run. And if you run it more than 19 45% of the capacity then you, of course you run the 20 risk of more, of more maintenance and more likely 21 to have something else failing. Let me see if I understand this. 22 CHAIR ALDRIDGE: 23 If you had an area that needed a million gallons a 24 day um, based on their consumption, average daily 25 use, 1 million gallons a day and you were to drill
- 26 and, and design a well for that purpose, you would
- 27 look for a well that could produce 2 million

- 1 gallons a day, roughly or, or a little bit more
- 2 than that actually, um, and would you actually then
- 3 install pump capacity for that, let's say 2.1
- 4 million gallons a day?
- 5 MR. YAMASHIGE: Yes.
- 6 CHAIR ALDRIDGE: Ok. But you would expect it to
- 7 only deliver on the average 45% of it's installed
- 8 capacity, is that correct?
- 9 MR. YAMASHIGE: The, the max day, the average day,
- 10 the max daily average day thing comes into play
- 11 because um, it has to meet that maximum daily...
- 12 CHAIR ALDRIDGE: Right.
- 13 MR. YAMASHIGE: And, yeah, if it, if people are
- 14 using on the average then, yes, 45%.
- 15 CHAIR ALDRIDGE: My principle question was that you
- 16 know, whether or not you actually install pump
- 17 capacity for the peak day.
- 18 MR. YAMASHIGE: Yes.
- 19 CHAIR ALDRIDGE: Yeah, or peak hour, which ever it
- 20 is.
- 21 MEMBER HALLER: Mr. Chair?
- 22 CHAIR ALDRIDGE: Yes.
- 23 MEMBER HALLER: This reminds me of all the red
- 24 numbers in the chart that Ellen took us through,
- 25 yeah? That we are not running at 1 million of a
- 26 2.1 million capacity in most of the county.

- 1 CHAIR ALDRIDGE: Yeah, actually ah, thank you for
- 2 mentioning that, Marion, 'cause I'd like to bring
- 3 that back 'cause you know I'm sure that was, that
- 4 went through much too quickly. And as an engineer
- 5 I fail to understand all the numbers so, I'm you
- 6 know, I don't think anybody else, well I'm being
- 7 presumptuous here, but you know let me be
- 8 presumptuous and say if I didn't understand it and
- 9 I'm sure anybody else did.
- 10 MEMBER HALLER: Well, I understood it, I'm not sure
- 11 I could follow it all and explain it, but the
- 12 principle is exactly what he's saying...
- 13 CHAIR ALDRIDGE: Right, right.
- 14 MEMBER HALLER: That all the red numbers
- 15 represented that we were not at 45% on those
- 16 particular wells or in total and so we run the risk
- 17 of over utilizing our water capacity or not having
- 18 enough capacity if everybody turn the tap on at
- 19 once, we wouldn't have enough water.
- 20 CHAIR ALDRIDGE: Yeah, yeah. In general I got that
- 21 one too.
- 22 MEMBER HALLER: Yeah, that's what, I'm not sure I
- 23 need a lot more than that but.
- 24 CHAIR ALDRIDGE: Eric, we have any other questions
- 25 regarding this?
- 26 MEMBER HOLMBERG: Um, Mr. Chair.
- 27 CHAIR ALDRIDGE: Yes, Carl.

- 1 MEMBER HOLMBERG: Um, so Eric, given ah, that ah,
- 2 that figure of 5 million gallons of source um, what
- 3 was their or, or actually I guess you were more
- 4 addressing what would it take to clear out the
- 5 first 200 people on the list ah, what was the
- 6 reaction, any reactions to oh, there's no way we're
- 7 ever going to be able to do that, or did they ever
- 8 give any kind of response as to that was something
- 9 they were ever going to be willing to address?
- 10 MR. YAMASHIGE: Um, thank you. Um, it actually
- 11 didn't come up. We responded the 2 items that are
- 12 on the Water Resources Committee agenda right now,
- 13 the rules and I forget, oh and meter list. Ok so,
- 14 it could have come up. But they, they didn't.
- 15 MR. KUSHI: It will come up again on Monday.
- 16 MR. YAMASHIGE: Ed assures us that it will come up
- 17 again. Um, you're right, Marion, Marion makes a
- 18 very good point, you know, those red numbers are
- 19 all of our availability um, reports, you know it's
- 20 a red number because of the standard and you do run
- 21 the risk but when, when you step back and you look
- 22 at it you realize that you, you're getting the
- 23 water that you need right now um, and um, love to
- 24 pat the guys on the back because, because of the
- 25 efforts that they're making, we're able to continue
- 26 to provided the water that is needed but certainly

- 1 we, we do wanna try and get to that um, what you
- 2 call that, that level of confidence, I guess.
- 3 MEMBER HALLER: I'm sorry I have a, I need you to
- 4 go back and help me understand how you got to 5
- 5 million gallons source to service all the list.
- 6 And the reason I have a question is, what is the
- 7 average use of a meter, my household meter is about
- 8 what we calculated at 30,000 gallons a month,
- 9 right, is about what we're looking at for a
- 10 thousand gallons a day.
- 11 MEMBER HOWDEN: Six fifty, I think it is.
- 12 MEMBER ROBINSON: Six hundred fifty gallons?
- 13 MEMBER HALLER: Gallons a day.
- 14 MEMBER ROBINSON: Per...
- 15 MEMBER HOWDEN: Per 5/8 residential meter...
- 16 MR. YAMASHIGE: Ok.
- 17 MEMBER HOWDEN: more or less.
- 18 MR. YAMASHIGE: When you look at the first 200
- 19 meters on the current list um, Engineering has, has
- 20 a list, number one is asking for 5 meters, number
- 21 two, ok so, the first 200 resulted in about 370
- 22 meters.
- 23 MEMBER HALLER: Two hundred names on the list equal
- **24** 370 meters?
- 25 MR. YAMASHIGE: Yes.
- 26 MEMBER HOWDEN: First 200.

- 1 MR. YAMASHIGE: Just the first 200. And those
- 2 first 200 meter ah, 200 applicants or 370 meters
- 3 equated to about 350,000 gallons of water a day.
- 4 Ok, and that's simply based on the first 200. Now,
- 5 what I did was I took my math education and simply
- 6 took 200 and applied it to 1312 and came up with
- 7 2.3 million gallons a day.
- 8 CHAIR ALDRIDGE: By ratio.
- 9 MEMBER HALLER: Ok.
- 10 MR. YAMASHIGE: Just by ratio, yeah.
- 11 MEMBER HALLER: Ok, then where I disagree with you
- 12 on that is when last time I looked at the list the
- 13 number of meters that on the average um, a name
- 14 represented was close to 4. If you look at the
- 15 bottom of the list the total number of meters
- 16 versus the total number of names on the list is
- 17 almost 1 to 4. So that's where I think you're...
- 18 MR. YAMASHIGE: Ok. Yeah, and I didn't' go through
- 19 that kind of evaluation.
- 20 MEMBER ROBINSON: You just didn't first 2...
- 21 MEMBER HALLER: Well if you did math out...
- 22 MR. YAMASHIGE: Yeah.
- 23 MEMBER HALLER: If you did the math out just on 1
- 24 to 4, it would be the source required is almost
- 25 doubled what you're...
- 26 MR. YAMASHIGE: Oooh. I, I like mine numbers...
- 27 (laughter)

- 1 CHAIR ALDRIDGE: Unfortunately, it's not a matter
- 2 of liking or not. We're gonna have to give you a C
- 3 plus on your math.
- 4 (laughter)
- 5 CHAIR ALDRIDGE: Ok, well, appreciate that um, you
- 6 know, I, I, just an item here that I'd like to say,
- 7 it's out of turn at the moment, 'cause we will have
- 8 to discuss it at the receipt of board member
- 9 requests for agenda items but ah, what you had just
- 10 mentioned about some of these items at the Water
- 11 Resources Committee, it would nice if, if this
- 12 board were actually provided with some that
- 13 information before we saw it just on the Water
- 14 Resources agenda. Um, so that at least we would
- 15 know what, what's, what's being requested of the
- 16 Department um, in case we have comment or input to
- 17 it, whether or not we're requested.
- 18 MEMBER ROBINSON: This is in regard to the um, to
- 19 the people on the list and some of the issues
- 20 around it. Um, at a meeting with the Mayor 2 weeks
- 21 ago um, we were talking about food security um,
- 22 this was a Maui Tomorrow ah, sub-committee that I'm
- 23 on. It's a sustainability sub-committee and um, we
- 24 asked the Mayor about catchment and um, she said
- 25 that it was ah, high on her list to get the law
- 26 changed and this is a law that I wasn't familiar
- 27 with but um, you cannot in the County have a

- 1 catchment system and have County water. It's an
- 2 either or situation and she felt that that
- 3 dissuaded people from doing catchment. And so, she
- 4 was going to make it part of her um, you know, list
- 5 to address this and get that law changed um, so I
- 6 don't know how many people knew about that. Um,
- 7 but ah, maybe the Deputy Director could speak to
- 8 it, and you have something say, Marion?
- 9 MEMBER HALLER: I know a number of people who do
- 10 catchment Upcountry for their um, watering their ah
- 11 gardens and their vegetables, nothing stops you
- 12 from that. What you can't do is tie it in so that
- 13 it back flushes and, and um, what's it called,
- 14 contaminate your, your water system.
- 15 MEMBER ROBINSON: I see.
- 16 MEMBER HALLER: So. It's a sanitation issue.
- 17 MR. YAMASHIGE: Thank you.
- 18 MEMBER ROBINSON: That's what you were gonna say?
- 19 MR. YAMASHIGE: Exactly, um, there's nothing
- 20 keeping you from putting up a tank or some kind of
- 21 catchment um, as long as it doesn't intermingle
- 22 with the public water system. Where we have a
- 23 problem is where you want to subdivide your
- 24 property and you wanna, because you cannot get a
- 25 larger meter, you wanna add catchment as part of
- 26 your source, then we don't recognize that um, as
- 27 meeting that requirement. Now if you, so you

- 1 cannot have both, if you wanna go solely on a
- 2 private water system, and it takes it out of our
- 3 jurisdiction then you can do that. It's just that
- 4 as um, Marion said, the, the concern of cross
- 5 contamination is, it is a big one and um, you just
- 6 gotta be careful when you, you can have a private
- 7 water system like that.
- 8 MEMBER HALLER: However another, another stops us
- 9 from designing a system that allows catchment to
- 10 flush your toilets, right, so, that it's totally
- 11 separate from, I mean if you, if you plumb the
- 12 house that way and a, an inspector inspects it and
- 13 certifies yep, the 2 systems are not mingling, then
- 14 I mean there are, I would think solutions to this
- 15 where you could use more rainwater.
- 16 MR. YAMASHIGE: You know it, there, there are so
- 17 many things that are being done you know like outs,
- 18 elsewhere um, that maybe um, implementable I guess
- 19 on Maui. Um, one, one thing that the Department of
- 20 Health has a concern about is, is cross connection,
- 21 especially when it gets into the home because
- 22 there's nobody, I mean you can go and do the
- 23 plumbing on the toilet and something happens, if
- 24 you put it or connect it to the wrong pipe, you
- 25 know, I might do it at home and I don't know enough
- 26 to do it right. So um, what I've been encouraging
- 27 is if, if there's gonna be something like that and

- 1 commercial developments can do that, ok, especially in the Kihei area where the wastewater division is 2 providing reclaimed water for irrigation. 3 are only allowed on commercial because commercial 4 requires a backflow preventer on their potable 5 6 water system. Ιf they go and cross 7 somewhere on the property you know, they might mess 8 themselves up but that backflow preventer will 9 protect the public system. And if we ever go to 10 someplace where the Department of Health is gonna 11 allow you to use um, the dual water system, then I 12 would hope that we would require backflow 13 preventers on every service that would have that 14 condition. I totally agree um, to us, you know we 15 have use whatever resources we can get. You can 16 catch water um, to irrigate your, your 17 whatever. It's a great idea, just gotta watch the
- 19 (laugher)

mosquitoes yeah?

18

- 20 CHAIR ALDRIDGE: Thank you, Eric. Um, let's move
- 21 on bar, barring any other questions on this item,
- 22 let's move on to the Discussion regarding the
- 23 Central Maui Water System and West Maui Water
- 24 System. Um, again, um, Eric um, I'd like to see if
- 25 there's any comment that you have regarding current
- 26 use and demand projection.

- 1 MR. YAMASHIGE: I'm gonna ask that um, we defer
- 2 this. Ellen is on Lana'i and she, she has those
- 3 charts with all that red numbers on it and that,
- 4 that might be something she can explain to you.
- 5 Um, I could do a little bit but it's probably not
- 6 gonna give her justice.
- 7 CHAIR ALDRIDGE: I have no objection if the other
- 8 board members have no objections for deferral. Um,
- 9 Michael, you have a question?
- 10 MEMBER HOWDEN: Yeah, um, I just like to make a
- 11 comment and point out to the Board that on pages 12
- **12** and 13 um...
- 13 CHAIR ALDRIDGE: Of?
- 14 MEMBER HOWDEN: We have Gaye's minutes, of our
- 15 minutes of the May 22nd meeting. Um, and I just
- 16 think it's something that, that we need to be
- 17 prepared to act on, um, that we really don't have
- 18 water for Central and South. Um, we got those
- 19 little spreadsheets last time that showed average
- 20 use Upcountry, Central um, Kihei, Wailea, where
- 21 they have those streams running down the road at
- 22 night. Um, you know, I mean, where the, where the
- 23 average use was in the thousands of gallons a day
- 24 per person. I mean, obviously you need that to ah,
- 25 create that kind of quasi-rainforest in, in desert,
- 26 coastal desert. But um, I, I, I would just urge

- 1 the Board to really look at this and be prepared to
- 2 act next time around.
- 3 CHAIR ALDRIDGE: I appreciate that comment,
- 4 Michael. Um, Marion?
- 5 MEMBER HALLER: Yeah, I just wondered how we're
- 6 doing in terms of um, water supply down there, you
- 7 know, we, we stay so well informed about the
- 8 Upcountry system, what is the status of the
- 9 drought, we're in drought watch in Central? What's
- 10 the status there?
- 11 MR. YAMASHIGE: Ed, Ed will jump in if I mess this
- 12 up. The only place that we have the structure, I
- 13 quess, for this drought watch, drought warning and
- 14 drought emergency is Upcountry. Um, there is no
- 15 structure for the rest of the island. Um, we have
- 16 requested ah, conservation where, what is that, the
- 17 10 percent voluntary? And that has been on for
- 18 since the last, last year I think we asked for
- 19 that. Um, Water Resources um, and the Department,
- 20 Water Resources Committee of the Council and um,
- 21 the Department, we are looking at conservation, a
- 22 conservation ordinance for something that initially
- 23 will probably only address um, irrigation um, but
- 24 that's something that we feel um, how else do you
- 25 use a thousand gallons a day, yeah. But that's
- 26 something that we're trying to work on and with the
- 27 Water Resources Committee and the County Council it

- 1 would be come along um, and that would initially
- 2 address irrigation. The other item I can't say too
- 3 much 'cause we, we're not that far along with that
- 4 one is. You're right um, I, I don't know how many
- 5 of you actually look at your water bill and you
- 6 know watch those charts and say wow, how do you
- 7 lessen. Um, it's pretty you know, I know Director
- 8 Eng and I compare sometimes and he has 2 people in
- 9 his, he and his wife, yeah. This summer my, my
- 10 children are home so we have 4. Ah, it's a little
- 11 challenge we try to um, use as little water as we
- 12 can. He's winning.
- 13 MEMBER HALLER: Um, I was just...
- 14 CHAIR ALDRIDGE: Marion.
- 15 MEMBER HALLER: Reminded of a conversation the
- 16 other day when I was talking to someone and I
- 17 thought we, we might have to declare a drought
- 18 watch, at this time I forget which one it is that
- 19 go next, warning at this point, and um, a couple
- 20 people joked in the, in the discussion was, oh, I
- 21 gotta better hurry up and run up my water bill
- 22 because if the, if it becomes the measure of me
- 23 cutting 10% I don't want to use this low water bill
- 24 that I got going 'cause I'm watching my water
- 25 usage, you see where I'm going? And so, I thought
- 26 it was like wow their gonna spike their water bill
- 27 so that what they're measured against is higher as

- 1 opposed to lower, so that's an interesting thing to
- 2 keep in mind if you're gonna call it the next
- 3 phase.
- 4 MR. YAMASHIGE: Yeah, there's a couple, yeah,
- 5 there's a couple things in there. It, it, we don't
- 6 look at your previous water bill to determine what
- 7 10% or whatever it's gonna be. We look at it a
- 8 year ago and it's an average. So, you can't run it
- 9 up this month because oh, next month it's gonna be
- 10 higher yeah. That's one thing. The other thing is
- 11 um, at least for that Upcountry area, you, you're
- 12 already using less than 400 gallons a day, which is
- 13 actually quite high anyway, um you didn't, you
- 14 wouldn't have received a letter um, for the
- 15 mandatory cut-back. Um, that 400 number, that was
- 16 developed sometime ago so I'm not real familiar
- 17 where that came out. Um, so not everybody's gonna
- 18 get it. But we would certainly encourage everyone
- 19 to participate in that cut-back, even if you didn't
- 20 receive that letter.
- 21 CHAIR ALDRIDGE: Thank you, Eric. Um, actually 400
- 22 gallons per day would not be that high if you have
- 23 4 or 5 people in your household. Um, it would some
- 24 with irrigation.
- 25 MR. YAMASHIGE: Ok. I would get all of you to
- 26 start thinking about how much water you use. I
- 27 think it's documented that 50 gallons per day per

- 1 person is as much water as you, you supposed to use
- 2 yeah.
- 3 CHAIR ALDRIDGE: Indoor.
- 4 MR. YAMASHIGE: Yeah. Um, I have a daughter,
- 5 teenage daughter, so...
- 6 CHAIR ALDRIDGE: That's 200 right there.
- 7 (laughter)
- 8 MR. YAMASHIGE: Not, not quite. But ah, that
- 9 throws off our...
- 10 MEMBER ROBINSON: Yeah, your average.
- 11 MR. YAMASHIGE: Something to think about when, when
- 12 you look at your water consumption.
- 13 CHAIR ALDRIDGE: Thank you, Eric. Any other
- 14 comments? Um, let's move on to ah, Receipt of
- 15 Board Member request for agenda items to be placed
- 16 on future agendas, and before I ask individual
- 17 board members items that they may have, or wish to
- 18 have. I'd like to ask ah, the commission clerk,
- 19 Gaye, to just remind us of what's been deferred and
- 20 what we're expecting at this point to bring back at
- 21 the next meeting, just because I can't even
- 22 remember what, what it is and...
- 23 MS. HAYASHIDA: Well, offhand um, there's the
- 24 Piiholo Well Agreement.
- 25 CHAIR ALDRIDGE: Ok.
- 26 MS. HAYASHIDA: Um, we are having Garrett Hew come
- 27 to discuss the maintenance of the in-takes and the

- 1 flumes. Um, and again the on-going agenda items
- 2 would be Upcountry and the um, Central Maui. So,
- 3 um, right off the bat that's all I can think of.
- 4 MEMBER LUCK: Potentially the appeal as well.
- 5 MS. HAYASHIDA: And the appeal.
- 6 MEMBER LUCK: If the guy comes back.
- 7 MS. HAYASHIDA: Well, we're gonna have an appeal
- 8 anyway, whether it's Mr. Behnke or the next appeal
- 9 on the list. Did you wanna hear the new, if Mr.
- 10 Behnke doesn't come back, if they settle it, did
- 11 you wanna go on to the next appeal?
- 12 CHAIR ALDRIDGE: I don't think we can make that
- 13 decision at this point. It's not on the agenda to
- 14 make a decision like that.
- 15 MS. HAYASHIDA: Yeah, yeah.
- 16 CHAIR ALDRIDGE: Um, but I presume we would just be
- 17 moving on anyway if one doesn't come up...
- 18 MS. HAYASHIDA: Yeah.
- 19 CHAIR ALDRIDGE: The other will. Um, so let me
- 20 take receipt now of any requests items for the
- 21 Board agenda. Phyllis.
- 22 MEMBER ROBINSON: Ah, yeah, I had a conversation
- 23 with ah, Carl Freedman um, for, and he's been
- 24 working on the Water Resource Management Plan and
- 25 ah, they're ready to give our Board a update, so he
- 26 asked if I could get them on to the agenda.

- 1 CHAIR ALDRIDGE: Oh, that would be great, that
- 2 would be absolutely welcomed.
- 3 MEMBER ROBINSON: Ok.
- 4 CHAIR ALDRIDGE: Thank you.
- 5 MEMBER ROBINSON: And the other is the um, I'm part
- 6 of the South Maui um, sustainability group and we
- 7 had a guest speaker um, ah, who is involved in um,
- 8 photo-voltaics, he's been ah, um, he's been ah, an
- 9 advisor to MECO. His name is William Bennett,
- 10 maybe some of you know him. Um, he's a lecturer in
- 11 sustainable technologies. Um, and I addressed with
- 12 him the um, issue that was brought up by Director
- 13 Eng about why ah, the issue of pumpage and what it
- 14 costs the County to pump water um, and the fact
- 15 that we have these energy working groups happening,
- 16 alternative energy and why isn't this being
- 17 addressed by these working groups because it's you
- 18 know so important. And so I asked um, Mr. Bennett
- 19 if he could address that and he is actually on one
- 20 these working groups and he was not aware of this
- 21 issue, which was part of Jeff's, surprise that it's
- 22 not being talked about and so he said that he would
- 23 be not only happy to bring it up at his working
- 24 group um, about um, some um, innovation going in to
- 25 how to um, how to pump water using alternative
- 26 sources but he also said that he would be happy to

- 1 come to our Board of Water Supply and talk to us
- 2 about that, so.
- 3 CHAIR ALDRIDGE: Sounds like it is well worth it.
- 4 MEMBER ROBINSON: Yeah, so.
- 5 CHAIR ALDRIDGE: Thank you. Any other items?
- 6 Michael?
- 7 MEMBER HOWDEN: Um, I assume we've agreed to have
- 8 Ellen come back and make a presentation um, and I'd
- 9 also like to ask, I dunno know if any of the other
- 10 board members might be interested but I would love
- 11 a tour of the Piiholo intake system. I think it
- 12 would really help us in terms of understanding the
- 13 current situation, I, I don't know if other people
- 14 would be interested in that as well but I would
- 15 really like to have a tour of that.
- 16 CHAIR ALDRIDGE: Yeah, I appreciate that. I think
- 17 that, that would be a, an excellent ah, opportunity
- 18 to see the in, the other Upcountry intake system
- 19 that we did not see in the previous tour.
- 20 MEMBER ROBINSON: And the Central Maui system which
- 21 we never...
- 22 CHAIR ALDRIDGE: That's right, in fact we had
- 23 talked some time back about getting an opportunity
- 24 to see the other systems in, in the ah, overall
- 25 island. So just keep that in mind, Eric? Try and
- 26 schedule something like that? Any other ah, items
- 27 um, Scott?

- 1 MEMBER LUCK: I just wanted to go back to what we
- 2 were talking before about when, when we're gonna
- 3 get derailed by the budget stuff that usually takes
- 4 like a meeting and half I think. Is, is it
- 5 September typically?
- 6 CHAIR ALDRIDGE: Eric, you have a comment on...
- 7 SEVERAL VOICES: Usually October, October.
- 8 MEMBER LUCK: Is it October?
- 9 MR. YAMASHIGE: Wow, I'm, I'm glad you're looking
- 10 that far ahead, 'cause the 2009 Budget was just
- 11 recently approved, and we're, we're not even in
- 12 that 2009 year but, Lee, I think it's little later
- 13 in the year.
- 14 MEMBER LUCK: Ok.
- 15 MR. YAMASHIGE: It does, we do have to start on
- 16 that again.
- 17 MEMBER LUCK: Well, it seems like it's always the
- 18 same time and it always takes up one full meeting
- 19 for sure and then half of the other, the follow up
- 20 or when there's a workshop or something like that.
- 21 So, in looking to our list of appeals again which I
- 22 fear is growing, I'm just still back to the same
- 23 thing of I still think we need to come up with a
- 24 game plan to try to handle um, the cases that are
- 25 coming up as well or whatever we, we're bringing
- 26 to.

- 1 CHAIR ALDRIDGE: I'd like to add to the agenda for
- 2 next week, discussion on um, ah, the ah, pre-
- 3 hearings for these contested case ah, hearing
- 4 appeals.
- 5 (silence)
- 6 CHAIR ALDRDIGE: And I guess following um, Scott's
- 7 question about the ah, budget is appreciate um, the
- 8 Department giving us as, as much advance notice as
- 9 possible regarding ah, the budget process.
- 10 MR. YAMASHIGE: It's coming.
- 11 CHAIR ALDRIDGE: It's coming.
- 12 (laughter)
- 13 CHAIR ALDRIDGE: I also want to add one item that
- 14 I'd mentioned earlier and that is um, the um,
- 15 getting um, notification and, and supporting
- 16 documents from the Department regarding these,
- 17 these re, these items that go to the Water Resource
- 18 Committee, I mean to wit, the reg, the rules and
- 19 regulations that they're looking at. Um, we may or
- 20 may not have seen them in the past and I think that
- 21 they've asked for our comments but I'd just like to
- 22 see what we, they've actually proposing to act on
- 23 and, and also this issue with the Upcountry meters
- 24 that they've requested to attempt to get
- 25 information on, I think be advisable to provide
- 26 that to us as well. Appreciate that. Anything
- 27 else? Hearing nothing ah, Communications, none.

- 1 Director's Report, do you have anything here?
- 2 None? Ok. Division Reports, um May 2008 Division
- 3 Reports, ah is there any comments, corrections to
- 4 it? Um, Financial Summary as of March 31^{st} , 2008,
- 5 ah is there any comments? We don't need to take
- 6 any action on this, this is...
- 7 MS. HAYASHIDA: Just for...
- 8 CHAIR ALDRIDGE: Just for information, right. Ok.
- 9 Alright, well, just, it's amazing how quickly we
- 10 get through without an appeal.
- 11 (laughter)
- 12 CHAIR ALDRIDGE: So, thank you very much everyone
- 13 and the meeting is adjourned.
- 14 (The meeting concluded at 10:35 a.m.)

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Prepared	and	submitted	by:
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Gaye Hayashida Commission Support Clerk

Approved on:_____